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10/019,713	05/29/2002	Jari Eikkula	915-412	1063

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EXAMINER

HASHEM, LISA

ART UNIT	PAPER NUMBER
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2645

DATE MAILED: 12/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/019,713

Applicant(s)

EIKKULA, JARI

Examiner

Lisa Hashem

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 May 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 29 May 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- ☐ Notice of Informal Patent Application (PTO-152)
- ☐ Other: \_\_\_\_\_

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## **DETAILED ACTION**

### ***Claim Objections***

1. Claims 5, 6, 7, 8, 12, 14, 15, 19, 20, and 21 are objected to because of the following informalities: They do not depend on one claim. Examiner assumes: claims 5-8 depend on claim 2; claims 12, 14, 15, and 16 depend on claim 10; and claims 19-21 depend on claim 17.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claim 7 recites the limitation "the enquiry". There is insufficient antecedent basis for this limitation in the claim.

### ***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

5. Claims 1-2, 4-8, 10-12, 14-16, and 17-21 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by U.S. Patent No. 5,839,072 by Chien (noted as prior art by Applicant).

Regarding claim 1, Chien discloses a method in a telecommunications system, the

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telecommunications system comprising at least a first telecommunications network and a second telecommunications network and providing at least one supplementary telecommunications service, the method comprising the steps of: initiating a set-up procedure for communications between a first station and a second station via said telecommunications system; sending an enquiry to a number portability service, said number portability service facilitating porting of stations from the first telecommunications network to the second telecommunications network so that the number or address of the ported stations may remain the same; determining the second station is a ported station; and informing at least one supplementary telecommunications service of the results of said determination before initiating an use of said at least one supplementary telecommunications service (column 3, line 65 – column 4, line 53; column 6, lines 6-62).

Regarding claim 2, Chien further discloses a method according to claim 1, wherein the step of determining the status of the number portability service for the second station and the step of informing said at least one supplementary telecommunications service of said status are accomplished at a node controlling both the number portability service and said at least one supplementary telecommunications service (column 6, lines 6-62).

Regarding claim 4, Chien further discloses a method in accordance with claim 2, wherein the supplementary telecommunications service is based on customized applications for mobile network enhanced logic, and the control node comprises a service environment of the customized applications for mobile network enhanced logic and a number portability register of the number portability service (column 6, line 63 – column 7, line 39).

Regarding claim 5, Chien further discloses a method in accordance with claim 2, wherein said at least one supplementary telecommunications service is informed of the results of the

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determination only if the second station is determined to be a ported station (column 6, line 63 – column 7, line 55).

Regarding claim 6, Chien further discloses a method in accordance with claim 2, wherein the number portability service is one of the supplementary telecommunications services provided by telecommunications system (column 3, line 65 – column 4, line 53).

Regarding claim 7, Chien further discloses a method in accordance with claim 2, wherein the telecommunications system comprises mobile telecommunications network including a controller and a home location register for storing user related data associated to individual subscribers of the mobile telecommunications network, and the number portability service comprises a routing information register between the network controller and the home location register, comprising the steps of: sending an enquiry as a routing information enquiry from the network controller to the home location register during the set-up the connection; directing the routing information enquiry to pass through the routing information register; determining at the routing information register the status of the number portability service of the second station; and if the second station is determined to be a ported number, returning the status information to the controller without allowing the routing information enquiry to enter the home location register (column 6, lines 6-62).

Regarding claim 8, Chien further discloses a method in accordance with claim 2, wherein the status of the number portability service is verified in the beginning of an originating status model of a supplementary telecommunications application protocol suite (column 3, line 65 – column 4, line 53).

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Regarding claims 10, 11, and 16, please see the rejection of the method in claim 1 above, to reject the network element in claims 10, 11, and 16.

Regarding claim 12, Chien further discloses a network element in accordance with claim 10, wherein the control means for controlling said at least one supplementary telecommunications service comprises a service control point and the means for providing number portability service comprise a routing register (column 6, lines 6-62; column 7, lines 56-67).

Regarding claims 14 and 15, please see the rejection of the method in claims 4 and 6 above, to reject the network element in claims 14 and 15.

Regarding claims 17, 18, and 21, please see the rejection of the method in claim 1 above, to reject the telecommunications system in claims 17, 18, and 21.

Regarding claims 19 and 20, please see the rejection of the method in claims 12 and 6 above, respectively, to reject the telecommunications system in claims 19 and 20.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 3, 9, and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 5,839,072 by Chien, as applied to claim 2 above, and in further view of U.S. Patent No. 6,049,714 by Patel.

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Regarding claim 3, Chien further discloses a method in accordance with claim 2, wherein the control node comprises a service control point (SCP) and a number portability register of the number portability service (column 6, lines 6-62; column 7, lines 56-67).

Chien does not disclose the supplementary telecommunications service is based on an INAP protocol suite.

Patel discloses a method in a telecommunications system, the telecommunications system comprising a telecommunications network providing at least one supplementary telecommunications service, the method comprising the steps of: initiating a set-up procedure for communications between a first station and a second station via said telecommunications system; sending an enquiry to a number portability service, said number portability service facilitating porting of stations in the telecommunications network so that the number or address of the ported stations may remain the same; determining the second station is a ported station; and informing at least one supplementary telecommunications service of the results of said determination before initiating an use of said at least one supplementary telecommunications service (column 3, lines 12-17; column 5, lines 4-59). Wherein Patel further discloses the supplementary telecommunications service is based on an INAP protocol suite, and the control node comprises a service control point (SCP) and a number portability register of the number portability service (column 3, lines 6-17; column 4, line 65 – column 5, line 3).

It would have been obvious to one of the ordinary skill in the art at the time the invention to modify the method of Chien to include an INAP protocol suite as taught by Patel to provide supplementary telecommunications services in a system comprising an intelligent network wherein an INAP protocol suite is utilized.

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Regarding claim 9, Chien further discloses a method in accordance with claim 8, wherein the verifying of said status comprises a step of sending a service routing register inquiry at a call setup signal (column 6, lines 6-62).

Chien does not disclose an initial detection point of an INAP or a CAMEL protocol.

Patel discloses a method in a telecommunications system, the telecommunications system comprising a telecommunications network providing at least one supplementary telecommunications service, the method comprising the steps of: initiating a set-up procedure for communications between a first station and a second station via said telecommunications system; sending an enquiry to a number portability service, said number portability service facilitating porting of stations in the telecommunications network so that the number or address of the ported stations may remain the same; determining the second station is a ported station; and informing at least one supplementary telecommunications service of the results of said determination before initiating an use of said at least one supplementary telecommunications service (column 3, lines 12-17; column 5, lines 4-59). Wherein Patel further discloses the supplementary telecommunications service is based on an INAP protocol suite, the verifying of said status comprises a step of inherently sending a service routing register inquiry at an initial detection point of an INAP (column 4, line 65 – column 5, line 59).

It would have been obvious to one of the ordinary skill in the art at the time the invention to modify the method of Chien to include an INAP protocol suite as taught by Patel to provide supplementary telecommunications services in a system comprising an intelligent network wherein an INAP protocol suite is utilized in sending a service routing register inquiry.



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Regarding claim 13, please see the rejection of the method in claims 3 and 9 above, to reject the network element in claim 13.

***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

- U.S. Patent No. 6,226,517 by Britt et al disclose a home location register and a method of routing a call directed to a portable directory number in a radio telecommunications network

9. Any response to this action should be mailed to:

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**Or faxed to:**

(703) 872-9314 (for formal communications intended for entry)

**Or call:**

(703) 306-0377 (for customer service assistance)

Hand-delivered responses should be brought to: Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

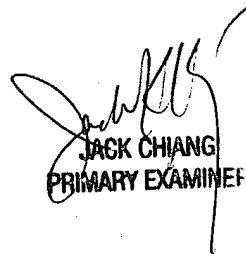
10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lisa Hashem whose telephone number is (703) 305-4302. The examiner can normally be reached on M-F 8:30-5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (703) 305-4895. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

LH  
lh

December 27, 2004

  
JACK CHIANG  
PRIMARY EXAMINER